CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/MS/W.No.15/CSR-04/314d/Cube/2016-17

17.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Sudeep,** #1271, 9th Main Road, WOC Road, 2nd Stage, Mahalakshmipuram, Bangalore – 560 086.
* Name of the work	:	Improvements & Construction of drainage works Mare Gowda road 2nd Main Kempe Gowda Nagara in Dasarahalli in Ward No.15, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/02/2017-18 Dated: 06.04.2017
* Sample ID	:	Culvert Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	17.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2017	17.04.2017	8.159	329.6	14.65
2	10.04.2017	17.04.2017	8.209	335.4	14.91
3	10.04.2017	17.04.2017	8.335	342.5	15.22

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಜಾಗಂಡಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

VISHWARANI P.K.
Technical Manager

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Job No.: CTCE/BBMP/MS/W.No.15/CSR-04/314d/Cube/2016-17

20.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Reference	:	EE/DD/WO/02/2017-18 Dated: 06.04.2017
* Sample ID	:	Culvert Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	20.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2017	20.04.2017	8.165	325.5	14.47
2	13.04.2017	20.04.2017	8.223	330.5	14.69
3	13.04.2017	20.04.2017	8.327	346.5	15.40

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Job No.: CTCE/BBMP/MS/W.No.15/CSR-04/314d/Cube/2016-17 20.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Sudeep,** #1271, 9th Main Road, WOC Road, 2nd Stage, Mahalakshmipuram, Bangalore – 560 086.
* Name of the work	:	Improvements & Construction of drainage works Mare Gowda road 2nd Main Kempe Gowda Nagara in Dasarahalli in Ward No.15, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/02/2017-18 Dated: 06.04.2017
* Sample ID	:	Culvert Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	20.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2017	20.04.2017	8.115	325.8	14.48
2	13.04.2017	20.04.2017	8.209	338.5	15.04
3	13.04.2017	20.04.2017	8.358	343.5	15.27

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Job No.: CTCE/BBMP/MS/W.No.15/CSR-04/314d/Cube/2016-17

24.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Sudeep,** #1271, 9th Main Road, WOC Road, 2nd Stage, Mahalakshmipuram, Bangalore – 560 086.
* Name of the work	:	Improvements & Construction of drainage works Mare Gowda road 2nd Main Kempe Gowda Nagara in Dasarahalli in Ward No.15, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/02/2017-18 Dated: 06.04.2017
* Sample ID	:	Cement Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	7^{th} day
Sample Received on	:	24.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.04.2017	24.04.2017	8.125	336.8	14.97
2	17.04.2017	24.04.2017	8.226	349.3	15.52
3	17.04.2017	24.04.2017	8.305	352.2	15.65

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Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/MS/W.No.15/CSR-04/314d/Precast Slab/2016-17

20.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. M. Sudeep,** #1271, 9th Main Road, WOC Road, 2nd Stage, Mahalakshmipuram, Bangalore – 560 086.
* Name of work	:	Improvements & Construction of drainage works Mare Gowda road 2nd Main Kempe Gowda Nagara in Dasarahalli in Ward No.15, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/02/2017-18 Dated: 06.04.2017
* Sample ID	:	Precast slab
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	15.04.2017
Date of Testing	:	20.04.2017

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	80.00	0.399	2540.11	1.60	0.957	30.55	15.56	16.80	17.56	21.95
2	50.00	81.00	0.403	2533.90	1.62	0.959	32.55	16.58	17.90	17.17	21.46
3	50.00	82.00	0.410	2546.48	1.64	0.961	33.60	17.11	18.48	17.76	22.20

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